

Title (en)
SYNCHRONIZATION TO A BASE STATION AND CODE ACQUISITION WITHIN A SPREAD SPECTRUM COMMUNICATIONS SYSTEM

Title (de)
BASISSTATIONSSYNCHRONISIERUNG UND KODEERFASSUNG IN EINEM SPREIZSPEKTRUMNACHRICHTENÜBERTRAGUNGSSYSTEM

Title (fr)
SYNCHRONISATION PAR RAPPORT A UNE STATION DE BASE ET ACQUISITION DE CODE DANS UN SYSTEME DE TELECOMMUNICATIONS A SPECTRE ETALE

Publication
EP 1010256 B1 20031022 (EN)

Application
EP 98940765 A 19980828

Priority
• SE 9801537 W 19980828
• US 92113597 A 19970829

Abstract (en)
[origin: WO9912273A1] Each transmission frame within a spread spectrum communications system relating to synchronization code transmission is divided into a plurality of slots. Each of the slots includes a primary (pilot) code <o>c</o>p and a secondary (combined) code <o>c</o>s/lci that includes information identifying or indicative of both a frame timing and a scrambling code for synchronization. This information concerning frame timing and scrambling code may be encoded in the combined code <o>c</o>s/lci itself, as well as in the modulation values of the sequences of plural combined codes within a frame. Alternatively, the information is encoded in the sequence of plural combined codes <o>c</o>s/lci transmitted in each frame, as well as in the modulated values of the sequences of plural combined codes within a frame. As yet another alternative, the information is encoded in the timing of the combined code <o>c</o>s/lci transmission within each slot of the frame relative to its associated primary code <o>c</o>p.

IPC 1-7
H04B 1/707

IPC 8 full level
H04B 1/7073 (2011.01); **H04B 1/7075** (2011.01); **H04B 1/7083** (2011.01); **H04B 7/26** (2006.01); **H04W 48/16** (2009.01); **H04W 56/00** (2009.01); **H04W 72/04** (2009.01)

CPC (source: EP KR US)
H04B 1/70735 (2013.01 - EP US); **H04B 1/7075** (2013.01 - KR); **H04B 1/70752** (2013.01 - EP US); **H04B 1/7083** (2013.01 - EP US); **H04B 2201/70701** (2013.01 - EP US)

Citation (examination)
WO 9900912 A1 19990107 - ERICSSON TELEFON AB L M [SE]

Designated contracting state (EPC)
DE FI FR GB IT SE

DOCDB simple family (publication)
WO 9912273 A1 19990311; AR 013951 A1 20010131; AU 755211 B2 20021205; AU 8896498 A 19990322; BR 9812033 A 20000926; BR 9812033 B1 20111129; CA 2300156 A1 19990311; CA 2300156 C 20091020; CN 1136668 C 20040128; CN 1278375 A 20001227; DE 69819176 D1 20031127; DE 69819176 T2 20040422; EP 1010256 A1 20000621; EP 1010256 B1 20031022; JP 2001515294 A 20010918; JP 2004129286 A 20040422; JP 3658402 B2 20050608; KR 100378738 B1 20030403; KR 20010023270 A 20010326; MY 116274 A 20031231; RU 2211531 C2 20030827; TW 391101 B 20000521; US 5930366 A 19990727; ZA 987254 B 19990215

DOCDB simple family (application)
SE 9801537 W 19980828; AR P980104273 A 19980827; AU 8896498 A 19980828; BR 9812033 A 19980828; CA 2300156 A 19980828; CN 98810684 A 19980828; DE 69819176 T 19980828; EP 98940765 A 19980828; JP 2000509165 A 19980828; JP 2003386354 A 20031117; KR 20007001903 A 20000225; MY PI19983882 A 19980825; RU 2000107819 A 19980828; TW 87114308 A 19980828; US 92113597 A 19970829; ZA 987254 A 19980813